AMERICAN SECTION

OF THE

INTERNATIONAL ASSOCIATION FOR TESTING MATERIALS.

BULLETIN No. 3. **AUGUST, 1899.**

OFFICE OF SECRETARY OF AMERICAN SECTION,
TESTING LABORATORY, CITY HALL,
PHILADELPHIA, PA.

The second annual meeting will be held at Pittsburg, Pa., on Tuesday and Wednesday, August 15 and 16, 1899. The hotel headquarters will be at the Monongahela House, Smithfield and Water streets, where members can secure accommodations at the reduced rates, from $2.50 to $4.50 per day.

The sessions will be held in the rooms of the Engineers' Society of Western Pennsylvania, 410 Penn Avenue.

All persons interested in the objects of the Association are cordially invited to attend.

RICHARD L. HUMPHREY,
Secretary.

OFFICERS OF THE AMERICAN SECTION.

Chairman, PROF. MANSFIELD MERRIMAN,
Lehigh University, South Bethlehem, Pa.
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PROGRAM OF THE

SECOND ANNUAL MEETING

PITTSBURG, PA., AUGUST 15-16, 1899.

TUESDAY, AUGUST 15.

10.30 A. M.—Opening Session.

1. Reports of officers of the American Section.
2. Reports of officers of the International Council.
3. Discussion regarding the place for holding the Congress of the International Association in 1900.
4. New business.
5. Paper by Prof. W. K. Hatt: "Comparison of Steel Plates under Flexure and Tension."

2.00 P. M.—Inspection Visit.

6. Through the courtesy of the Carnegie Steel Co., Limited, a visit will be made to the furnaces, mills and laboratories of the Edgar Thompson Steel Works, located at Bessemer, about two miles from Pittsburg.

The works embrace 15 gross-ton converters, 4 spiegel cupolas using molten iron brought direct from the furnaces in ladles, 21 Siemens and two reverberatory heating furnaces, one three-high 40-inch blooming mill, two three-high rail trains, hot saws and finishing machinery, and also an iron and brass foundry forge. The chief products of these works are Bessemer steel rails and billets, and iron and brass castings. They have an annual capacity of 800,000 gross-tons of ingots, 650,000 tons of rails and billets, and 500,000 tons of castings. Natural gas is used as fuel.

6.30 P. M.—Dinner.

7. Informal Dinner at the Monongahela House.

8.30 P. M.—Second Session.

8. Address by the Chairman, Prof. Mansfield Merriman, on "The Work of the International Association for Testing Materials."

9. Preliminary report of the American members of the International Committee, No. 1, on Standard Specifications of Testing Iron and Steel; presented by Mr. William R. Webster, Chairman of the American Sub-Committee.

The report contains an account of the organization of the sub-committee and its division into sections, to each of which is assigned, the collection and study of a particular group of specifications. The progress thus far made is described with an outline of the plans of future work.

10. Miscellaneous business.

10.30 P. M.—Reception.

11. A reception is kindly tendered by the officers and members of the Engineers' Society of Western Pennsylvania to the officers, members and guests of the American Section of the International Association.

WEDNESDAY, AUGUST 16.

10.30 A. M.—Final Session.

12. Preliminary reports of the American members of the International Committees, Nos. 2-6, on Iron and Steel.

13. Preliminary reports of the American members of the International Committees, Nos. 7-19, on Cement, Stone and Paints.

14. Preliminary report of Committee A of the American Section on Impact Tests, presented by the Chairman, Prof. W. K. Hatt.

The report includes a digest of present information on the subject together with the answers to a circular sent by the committee to the officers of railroads, manufacturing plants and engineering colleges. These replies show that impact tests are practically limited to rails, axles, couplers, and car wheels, but they indicate an unexpected uniformity of practice.

15. Unfinished business.

2.00 P. M.—Inspection Visits.

16. Opportunity will be given for visiting the works of the Westinghouse Electric and Manufacturing Co., the Pittsburg Testing Laboratory and other industrial establishments.

The principal works of the Westinghouse Electric and Manufacturing Company are located on the main line of the Pennsylvania Railroad about 12 miles east of Pittsburg. All machinery is driven by two-phase electric motors, and the latest tools are used for effecting economy in time and cost of manufacturing. There are thoroughly equipped departments for electric testing and experimenting. All kinds of motors and generators for direct, alternating and polyphase currents are manufactured.

The Pittsburg Testing Laboratory, located at 325 Water Street, has facilities for making chemical and physical tests of all kinds of materials. It also carries on inspection of shop work, boilers, bridges and buildings.